

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : ULTRAFast PULSE FIELD
: SOURCE UTILIZING OPTICALLY
GANPING JU ET AL. : INDUCED MAGNETIC
: TRANSFORMATION
: Attorney Docket No. SEAG 63413

INFORMATION DISCLOSURE STATEMENT

November 20, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR Sections 1.56, 1.97 and 1.98, Applicants submit herewith copies of the references cited on the attached Form PTO/SB/08B for consideration during prosecution of this application.

This Statement is filed solely for the purpose of complying with the pertinent rules of the Office and is not intended to be a substitute for an independent evaluation by the Examiner of the art cited or an independent search by the Examiner, and no representation of any nature is made or intended by the filing of this Statement.

Respectfully submitted,

Robert P. Lenart

Robert P. Lenart
Registration No. 30,654
Pietragallo, Bosick & Gordon
One Oxford Centre, 38th Floor
301 Grant Street
Pittsburgh, PA 15219
Telephone No.: (412) 263-4399
Facsimile No.: (412) 261-0915
Attorney for Applicants

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				Application Number	
				Filing Date	
				First Named Inventor	Ganping Ju
				Group Art Unit	
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Sheet	1	of	2	Attorney Docket Number	SEAG 63413

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. S. KOUVEL ET AL., "Anomalous Magnetic Moments and Transformations in the Ordered Alloy FeRh," <i>Journal of Applied Physics</i> , Supplement to Vol. 33, No. 3, March 1962, pp. 1343-1344.	
		J. S. KOUVEL, "Unusual Nature of the Abrupt Magnetic Transition in FeRh and Its Pseudobinary Variants," <i>Journal of Applied Physics</i> , Vol. 37, No. 3, March 1, 1966, pp. 1257-1258.	
		M. MANSURIPUR, "The Physical Principles of Magneto-optical Recording," Cambridge, 1995, p. 46.	
		E. BEAUREPAIRE ET AL., "Ultrafast Spin Dynamics in Ferromagnetic Nickel," <i>Physical Review Letters</i> , Vol. 76, No. 22, May 27, 1996, pp. 4250-4253.	
		W. K. HIEBERT ET AL., "Direct Observation of Magnetic Relaxation in a Small Permalloy Disk by Time-Resolved Scanning Kerr Microscopy," <i>Physical Review Letters</i> , Vol. 79, No. 6, August 11, 1997, pp. 1134-1137.	
		G. JU ET AL., "Ultrafast Nonequilibrium Spin Dynamics in a Ferromagnetic Thin Film," <i>Physical Review B</i> , Vol. 57, No. 2, January 1, 1998, pp. R700-R703.	
		E. BEAUREPAIRE ET AL., "Spin Dynamics in CoPt ₃ Alloy Films: A Magnetic Phase Transition in the Femtosecond Time Scale," <i>Physical Review B</i> , Vol. 58, No. 18, November 1, 1998, pp. 12 134-12 137.	
		C. H. BACK ET AL., "Minimum Field Strength in Precessional Magnetization Reversal," <i>Science</i> , Vol. 285, August 6, 1999, pp. 864-867.	
		Y. ACREMANN ET AL., "Ultrafast Generation of Magnetic Fields in a Schottky Diode," <i>Nature</i> , Vol. 414, Issue 6859, November 2001, pp. 52-54.	

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		J.-U. THIELE ET AL., "FeRh/FePt Exchange Spring Films for Thermally Assisted Magnetic Recording Media," <i>Applied Physics Letters</i> , Vol. 82, No. 17, April 28, 2003, pp. 2859-2861.	

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